

**WE CLAIM:**

1. A cigarette comprising a paper wrapped tobacco rod having a tip portion, and an additive at the tip portion for reducing the contribution of an aldehyde when the cigarette is lighted and initially puffed.

2. A cigarette as in claim 1 wherein the aldehyde comprises formaldehyde.

3. A cigarette as claimed in claim 1 wherein the additive is ammonium bicarbonate.

4. A cigarette as in claim 1 wherein the additive is potassium bicarbonate.

5. A cigarette as in claim 1 wherein the additive is potassium phosphate.

6. A cigarette as in claim 1 wherein the additive is sodium chloride.

7. A cigarette comprising a paper wrapped tobacco rod having a tip portion, and wherein the tip portion comprises Burley tobacco and tobacco having high ammonia levels in the smoke, like Bright exp with  $\text{NH}_3$ , reconstituted tobaccos with ammonium salts for example for reducing the contribution of formaldehyde when the cigarette is lighted and initially puffed.

8. A cigarette comprising a paper wrapped tobacco rod having a tip portion, and the paper at the tip portion having a lower permeability for reducing the contribution of formaldehyde when the cigarette is lighted and initially puffed.

9. A cigarette as in claim 8 including perforations at the tip portion for reducing the porosity at that location, and a circularly shaped piece of reconstituted tobacco blend, carbon, or metal disc placed at the tip to increase resistance to draw.

10. A process of producing a cigarette comprising the steps of wrapping a tobacco rod with paper, determining at which location along the tobacco rod where a preselected smoke constituent is maximized, and applying an inhibitor/attenuator of the target smoke constituent at the determined rod location, said applying step limited to said determined rod location.

11. A process as claimed in claim 10 wherein the target smoke constituent is formaldehyde.

12. A process as in claim 10 wherein the inhibitor/attenuator is ammonium bicarbonate.

13. A cigarette with a carbon-based and/or metallic disc at the tip end thereof.

14. A cigarette having a tobacco rod wrapped in paper, the tobacco rod having a location along its length where a smoke constituent is maximized, an inhibitor/attenuator of the smoke constituent at that location, and wherein the remainder of the cigarette is substantially free of said inhibitor/attenuator.

15. A cigarette as in claim 14 wherein said smoke constituent is an aldehyde.

16. A cigarette as in claim 15 wherein the smoke constituent is formaldehyde.

RMB/alh/143772